

DERWENT-ACC- 1987-189272

NO:

DERWENT- 198727

WEEK:

COPYRIGHT 2006 DERWENT INFORMATION LTD

TITLE: Fluorine-contg. alkane sulphonic acid ion dopants - for
conductive organic high molecular cpds.

PATENT-ASSIGNEE: AGENCY OF IND SCI & TECHNOLOGY[AGEN]

PRIORITY-DATA: 1985JP-0258770 (November 20, 1985)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
---------------	-----------------	-----------------	--------------	-----------------

JP 62119237 A	May 30, 1987	N/A	005	N/A
---------------	--------------	-----	-----	-----

JP 89038808 B	August 16, 1989	N/A	000	N/A
---------------	-----------------	-----	-----	-----

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
---------------	------------------------	----------------	------------------

JP 62119237A	N/A	1985JP-0258770	November 20, 1985
--------------	-----	----------------	-------------------

INT-CL (IPC): C08G061/12, C08G073/00 , C08K005/42 , H01B001/12

ABSTRACTED-PUB-NO: JP 62119237A

BASIC-ABSTRACT:

Fluorine-contg. alkane sulphonic acid ion type dopants are of formula (I):

XF₂C-(CF₂)_n-SO₃(-) (I)

(where $n = 3-20$; $X = H$ or F). Organic high molecular cpds. into which dopants are introduced include polypyrrole, polythiophene, polyaniline, polyfuran and their derivs. Electrochemical method for introduction of the dopants into polymers is applied to charge-transfer complex type high molecular cpds., e.g. polypyrrole, polythiophene or polyfuran. Chemical method is pref. applied to polyion complex polymers e.g. polyaniline. The electrolytes for the electrochemical method are F-contg. alkane sulphonic acids of formula $XF_2C-(CF_2)_n-SO_3H$ (II) and their salts.

USE - For the mfr. of flexible switch, sensor, EMI material, antistatic material, photoelectric exchange elements, sec. batteries.

CHOSEN-DRAWING: Dwg.0/0.

TITLE-TERMS: FLUORINE CONTAIN ALKANE SULPHONIC ACID ION
DOPE CONDUCTING ORGANIC HIGH MOLECULAR
COMPOUND

ADDL-INDEXING-TERMS: POLY PYRROLE FURAN THIOPHENE ANILINE

DERWENT-CLASS: A26 E16 L03 V03 V04 X12 X16

CPI-CODES: A09-A03; A10-E04A; A10-E12A; E10-A09B8; L03-B04A; L03-E03;

EPI-CODES: V03-A01A; V04-U; X12-D01C; X16-E01;

CHEMICAL-CODES: Chemical Indexing M3 *01* Fragmentation Code H6 H601 H607
H609 H684 H685 H689 K0 K4 K431 M280 M314 M321 M332
M344 M362 M391 M416 M620 M781 M903 M904 Q130 Q454
R043 Markush Compounds 198727-C2401-U Registry Numbers
87140 1286M

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0016 0018 0203 0210 0226 0229 1311 3194 1685 1741 1756
1934 1962 2012 2022 2152 2174 2181 2198 2207 2513 2551
2553 2589 2628 2654 2739 3278 2743

Multipunch Codes: 014 02& 03- 05- 062 064 151 153 175 185 190 191 205 225 231
249 250 344 346 358 359 435 506 509 511 516 518 546 551 560
566 57& 575 58& 596 60- 623 627 683 692 720 722 724

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1987-079034

Non-CPI Secondary Accession Numbers: N1987-141421